

**METHOD AND APPARATUS FOR PROTECTING ONGOING SYSTEM  
INTEGRITY OF A SOFTWARE PRODUCT USING DIGITAL SIGNATURES**

**Abstract of the Disclosure**

5 A method, apparatus and computer program product are provided for  
protecting ongoing system integrity of a software product using digital  
signatures. A core product load manifest for protecting ongoing system  
integrity of a software product having a plurality of pieces includes a  
manifest header including header attributes of the software product. A list of  
10 a plurality of manifest items is stored with the manifest header. Each  
manifest item identifies a corresponding piece of the software product. Each  
manifest item includes at least one attribute. A manifest digital signature is  
stored with the manifest header. The manifest header, the header attributes,  
each of the plurality of items, and each item attribute are included in the  
15 manifest digital signature. A digital signature is computed for each signable  
piece of the software product and is stored with the piece of the software  
product. The digital signature of each signed software product piece is  
excluded from the core product load manifest. An amended manifest is  
created for identifying added and deleted pieces of the software product and  
20 is chained to the core product load manifest. Each signable, added item in  
the amended manifest has a digital signature that is excluded from the  
amended manifest.